THOMSON MULTI MEDIA

Brandt FERGUSON **NORDMENDE** SABA **TELEFUNKEN** **THOMSON**

AUDIO

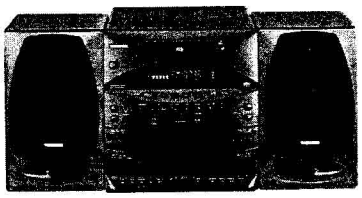
SERVICE MANUAL
DOCUMENTATION TECHNIQUE
TECHNISCHE DOKUMENTATION
DOCUMENTAZIONE TECNICA
DOCUMENTACION TECNICA

THOMSON

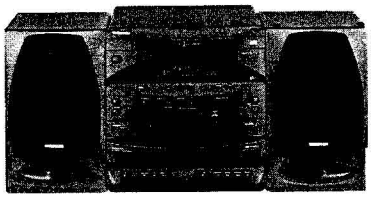
ALTIMA 100
ALTIMA 200

Version (PC*) : A

*PC : The version code is indicated either in the battery compartment or on the back of the unit - Ce code version est indiqué dans le compartiment à piles ou au dos de l'appareil - PC : Version des Geräts wird im Batteriefach oder auf der Rückseite angegeben - Il codice della versione è indicato nello scompartimento delle batterie o sul retro dell'apparecchio - El código de la versión está indicado en el compartimento de las pilas o en la parte trasera del aparato.



ALTIMA 100



ALTIMA 200

Technical data - Caractéristiques principales
Technische Daten - Dati tecnici - Caracteristicas del aparato

Type of set : **Type d'appareil :** **Geräteart :** **Tipo d'apparecchio :** **Tipo de aparato :**	Two-in-one horizontal, combination Hifi/CD Ensemble compact stéréophonique Hifi/CD 2er Horizontal Kompaktanlage Hifi/CD Insieme compatto stereofonico Hifi/CD Equipo compacto estereofónico Hifi/CD	↔ 280 mm ↕ 285 mm ↗ 325 mm
Power supply : **Alimentation :** **Stromversorgung :** **Alimentazione :** **Alimentación :**	230 V ±10% ~	**Nominal output power :** **Puissance nominale de sortie :** **Nennausgangsleistung :** **potenza nominale di uscita :** **Potencia nominal de salida :** — 2 x 10 W (Rms) 2 x 20 W (Rms)
FM -MF : **MW - PO :** **LW - GO :**	87,5 - 108 MHz 525 - 1620 kHz 148 - 284 kHz	**Sensitivity :** **Sensibilité :** **FM -MF :** 8 µV (S/N = 26 dB) **Empfindlichkeit :** **MW - PO :** 1000 µV/m (S/N = 20 dB) **Sensibilità :** **LW - GO :** 2500 µV/m (S/N = 20 dB) **Sensibilidad :**
Frequency response : **Courbe de réponse :** **Frequenzgang :** **Curva di risposta :** **Curva de respuesta :**	150 Hz - 6 kHz (-5 dB)	**Signal to noise ratio :** **Rapport signal / bruit :** **Geräuschspannungsabstand :** — 42/44 dB **Rapporto segnale / disturbo :** **Relación señal / ruido :**
Wow and fluttter : **Fluctuations :** **Gleichlauf :** **Fluttuazioni :** **Fluctuaciones :**	0,5 %	→ 4,75 cm/s <<▶▶>> <<◀◀>> C60 : 170 s
Disc rotation speed : **Vitesse de rotation du disque :** **CD-Drehgeschwindigkeit :** **Velocità di rotazione del disco :** **Velocidad de rotación del disco :**	200 ➡ 500 tr/m	**Frequency response :** **Courbe de réponse :** **Frequenzgang :** **Curva di risposta :** **Curva de respuesta :** — 20 Hz - 20kHz (±2 dB)
Dynamic range : **Gamme dynamique :** **Dynamikumfang :** **Dinamica :** **Dinámica :**	82 dB	**Signal to noise ratio :** **Rapport signal / bruit :** **Geräuschspannungsabstand :** — 85 dB **Rapporto segnale / disturbo :** **Relación señal / ruido :**

DAD

WARNING : *Before servicing this set read the safety recommendations.*
ATTENTION : *Avant toute intervention sur cet appareil, lire les recommandations de sécurité.*
ACHTUNG : *Bei jedem Eingriff im Gerät, die Sicherheitsvorschriften beachten.*
ATTENZIONE : *Prima di intervenire sull'apparecchio, leggere le norme di sicurezza.*
IMPORTANTE : *Antes de cualquier intervención, leer las recomendaciones de seguridad.*

Code : 350 508 50 - 0997 / 4,3M - ATKD2006/2007 Print.

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CLASS 1 LASER PRODUCT
APPAREIL A LASER DE CLASSE 1
LASER KLASSE 1
APARATO CON LASER DE CLASE 1
APPARECCHIO CON LASER DI CLASSE 1

DANGER : Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.

ATTENTION : Le rayon laser est invisible. Eviter l'exposition directe lors de la maintenance.

VORSICHT BEI REPARATUREN : Bei geöffneter Schublade und Defekt der Sicherheits - vorrichtungen besteht die Gefahr unsichtbaren Laserlichts. Niemals direkt in den Laserstrahl sehen.

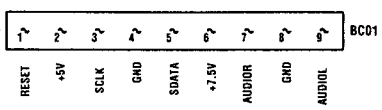
ATTENZIONE : Il raggio laser è invisible. Evitare l'esposizione diretta durante la manutenzione.

IMPORTANTE : El rayo laser es invisible. Evitar la exposición directa en el momento del mantenimiento.

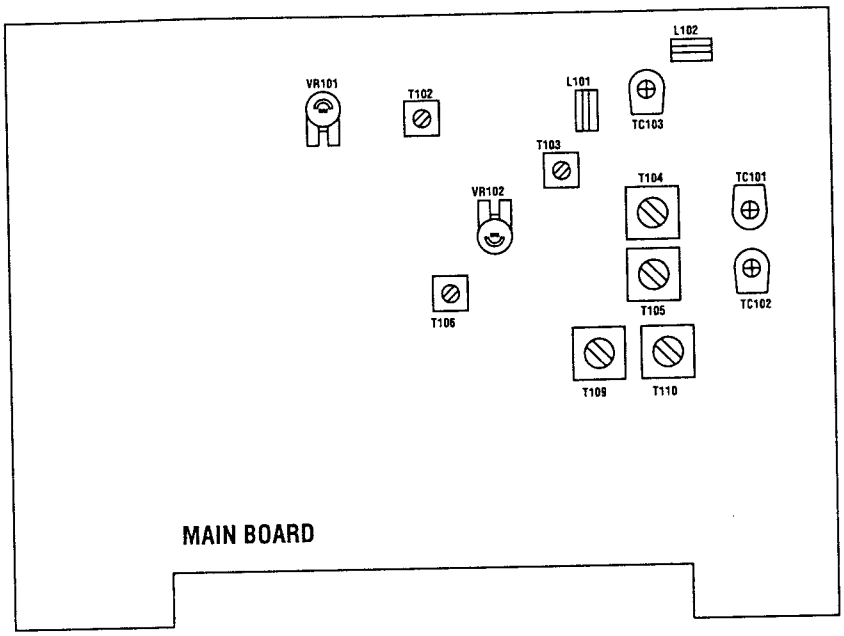
DIGITAL PROCESSING SCHEMATIC DIAGRAM - SCHEMA DU TRAITEMENT DIGITAL - SCHALTBILD DIGITALVERARBEITUNG - SCHEMA ELABORAZIONE DIGITALE - ESQUEMA DEL TRATAMIENTO DIGITAL

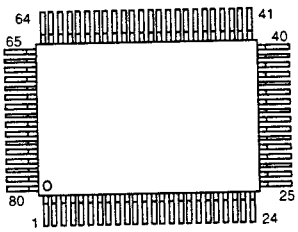
The complete Digital Processing Module is available from A. S. S. under Part Number :
En SAV, l'ensemble du module traitement digital est géré sous le code :
Die Service Bestell-Nr. für das Modul "Digital Processing kompl." ist :
Il codice del modulo completo di elaborazione digitale è :
En postventa, el modulo completo tratamiento digital lleva el código :

104 036 50



ADJUSTMENTS LOCATION - EMPLACEMENT DES REGLAGES - EINSTELLUNGEN - UBICAZIONE DEI DISPOSITIVITI REGOLAZIONE - UBICACIÓN DE LOS AJUSTES





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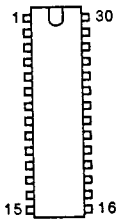

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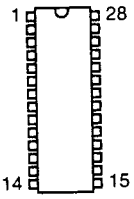

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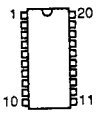

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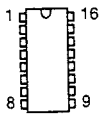

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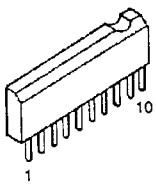

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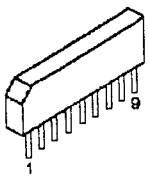
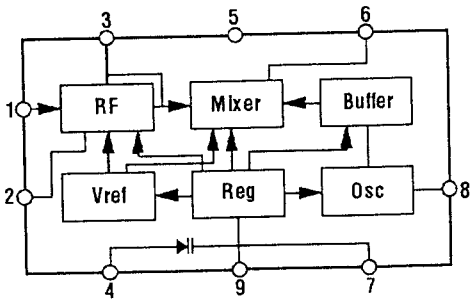
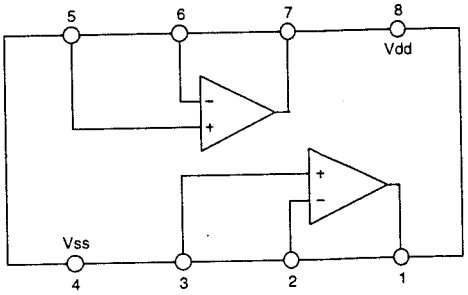


LA1186

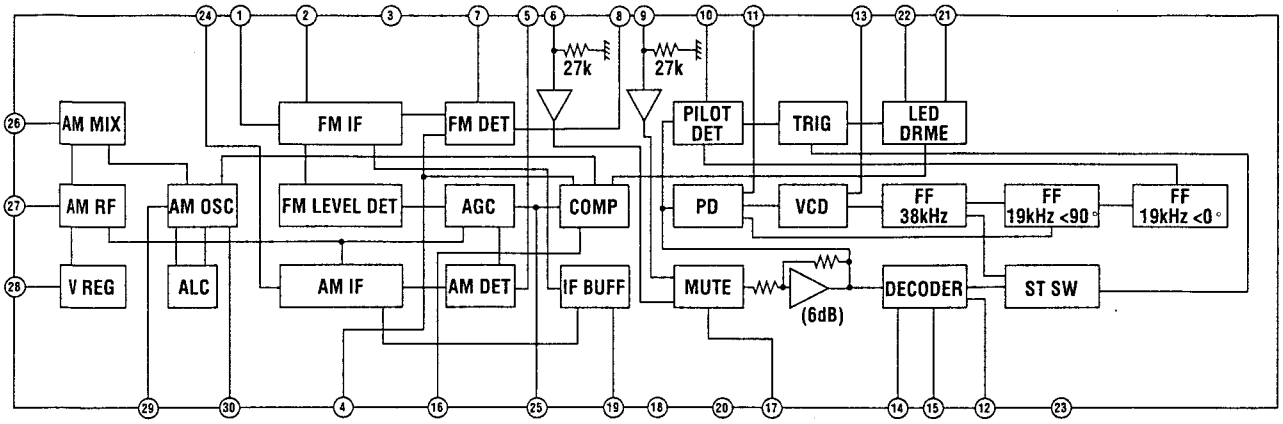
IC101 LA1186



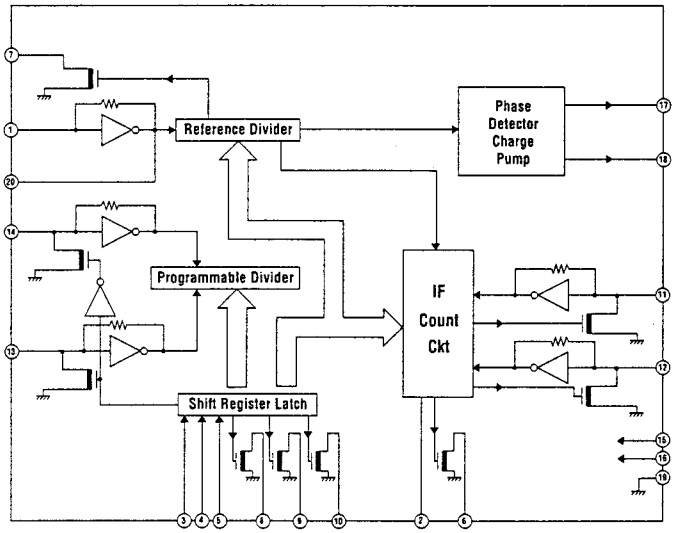
IC105 BA15218



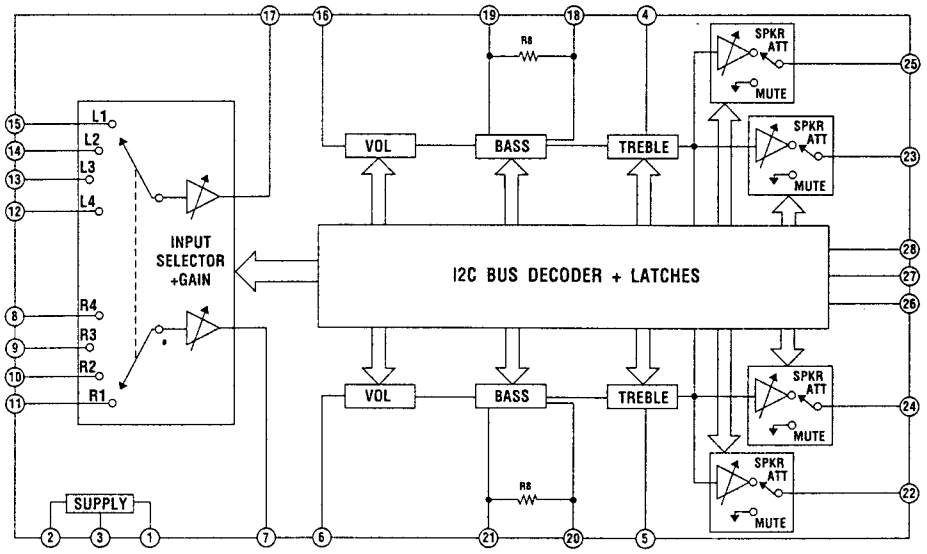
IC103 LA1851N



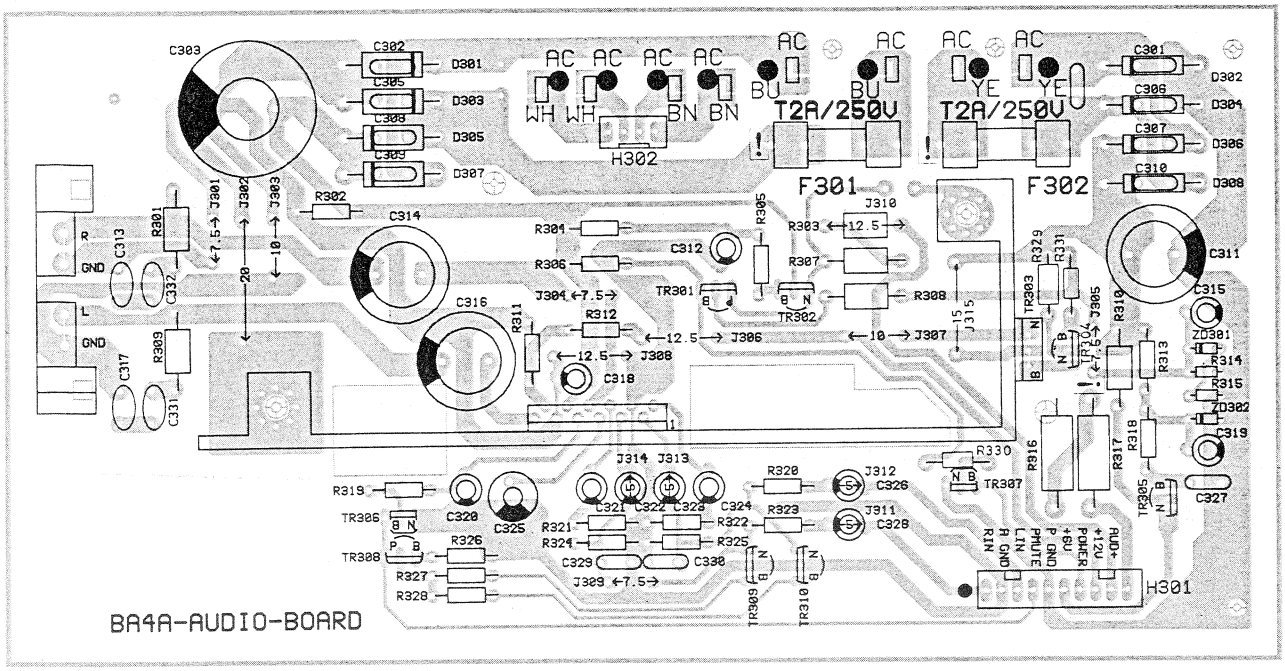
IC102 LM7000



IC104 TDA7318

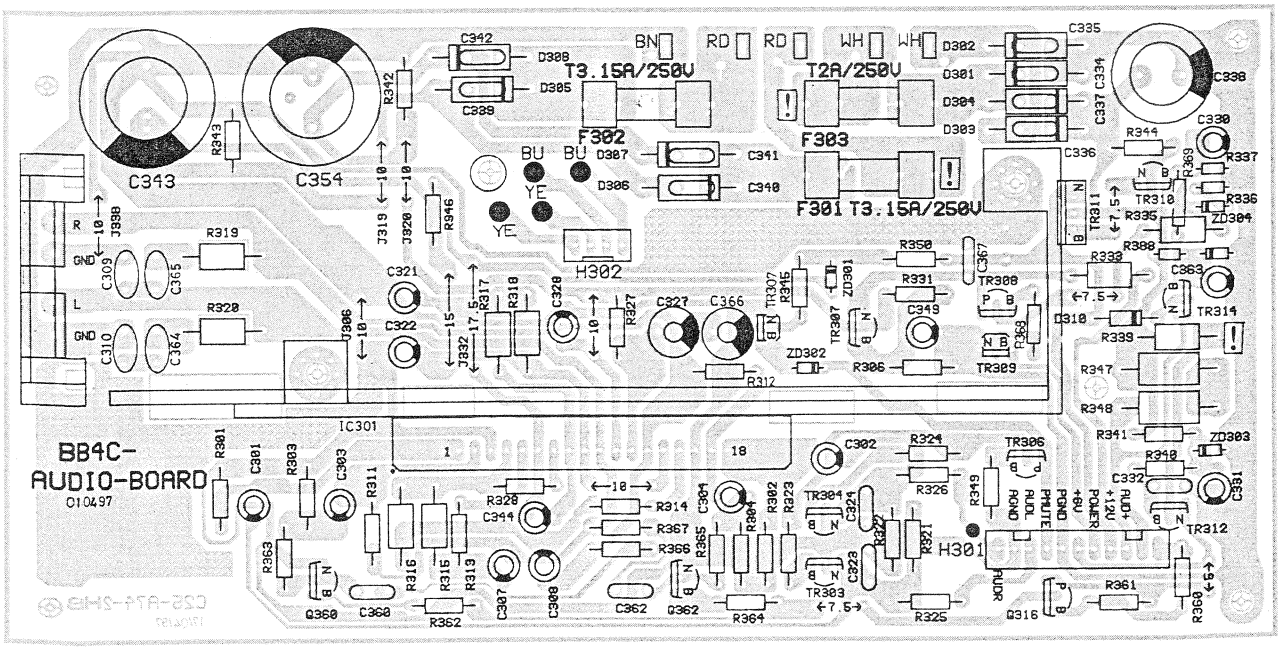


ALTIMA 100

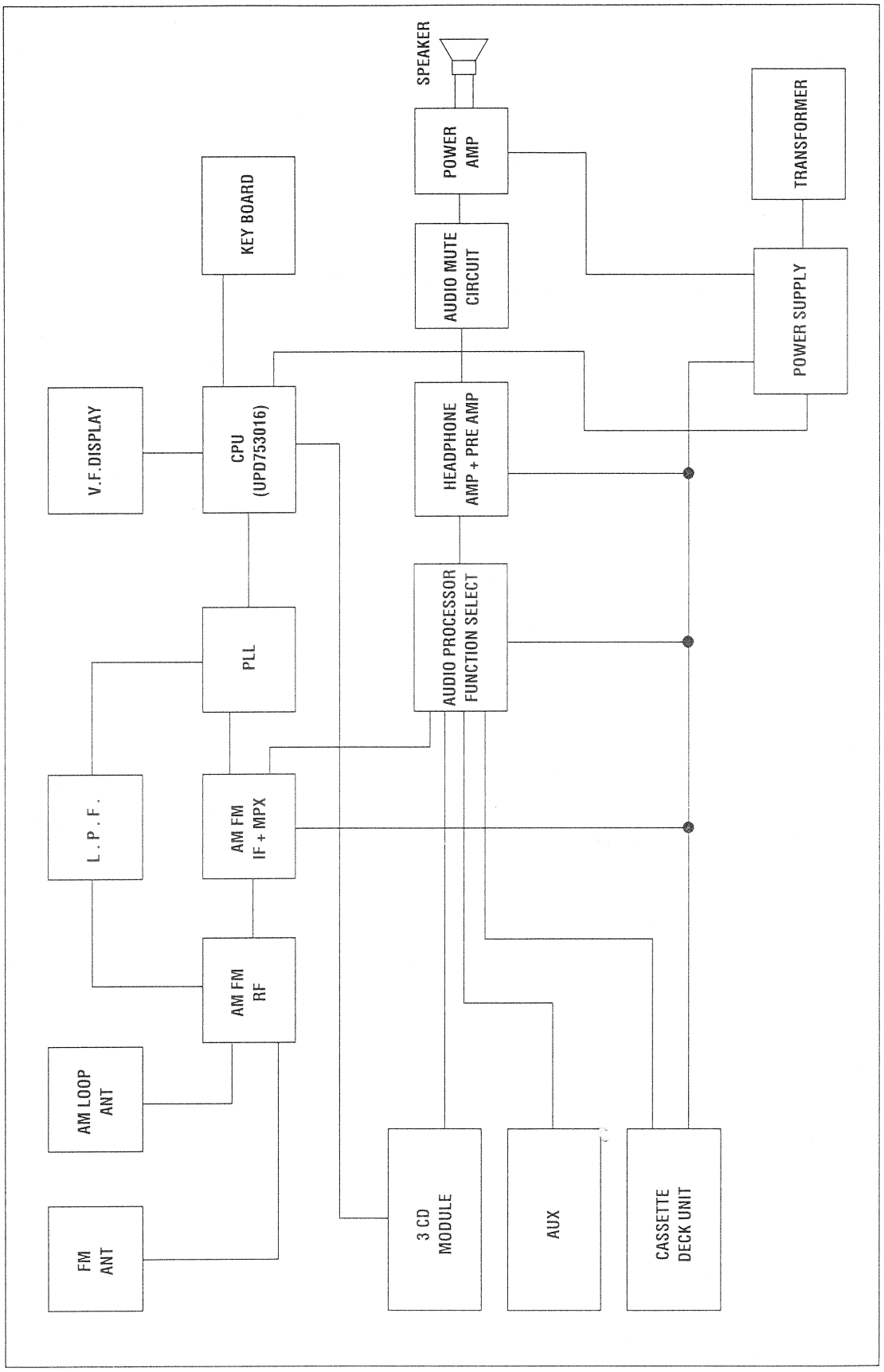


Power supply P.C.B.
Platine alimentation
Ltpl. Netzteil
Piastra alimentazione
Platina alimentación

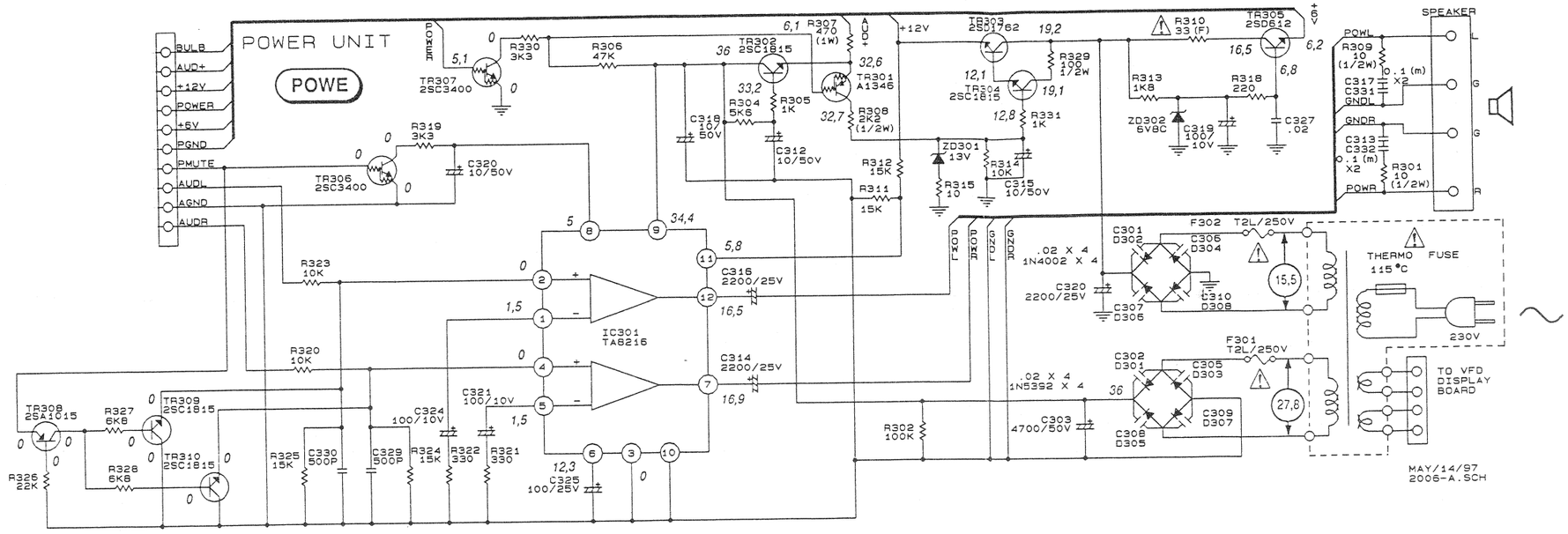
ALTIMA 200

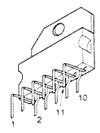


BLOCK DIAGRAM - SCHEMA SYNOPTIQUE - BLOCKSCHALTBILD - SCHEMA A BLOCCHI - ESQUEMA DE BLOQUES

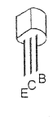


POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL' ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN (ALTIMA 100)



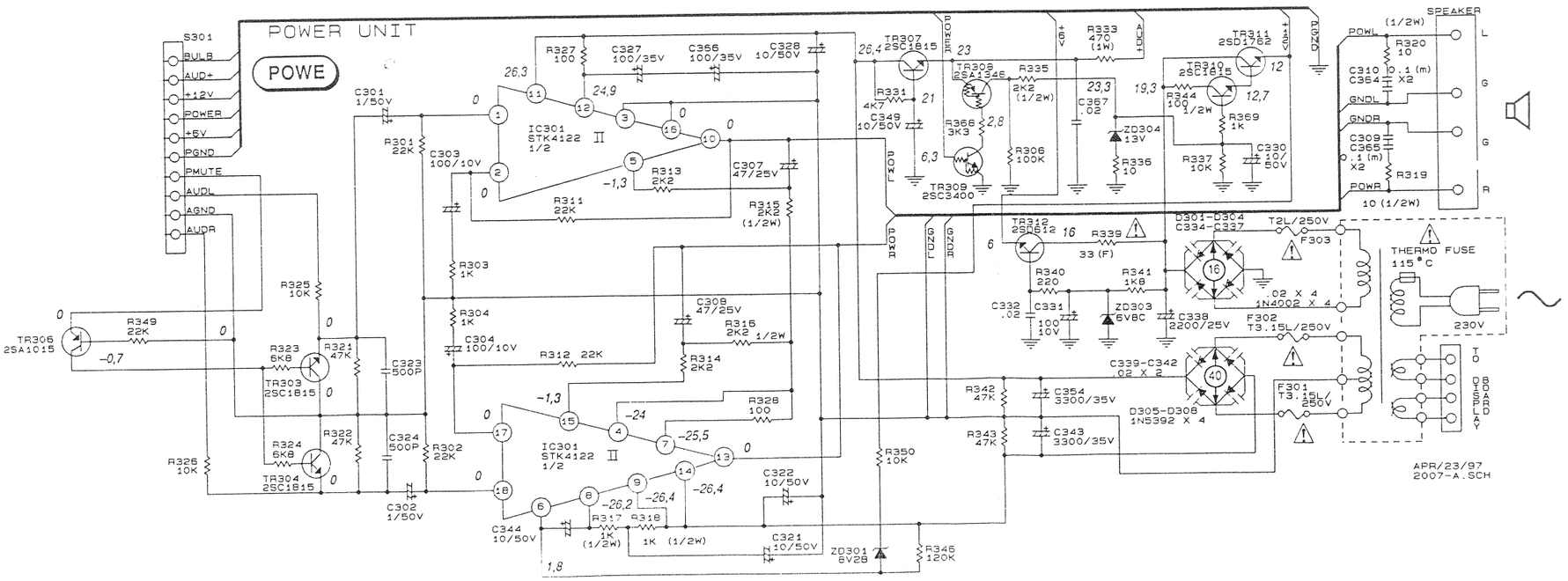


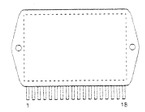
TA8216



2SA1015Y
2SA1346AC
2SC1815GR
2SC3400
2SD612KE

POWER SUPPLY SCHEMATIC DIAGRAM - SCHEMA DE L'ALIMENTATION - SCHALTBILD NETZTEIL - SCHEMA DELL' ALIMENTAZIONE - ESQUEMA DE LA ALIMENTACIÓN (ALTIMA 200)





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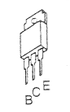
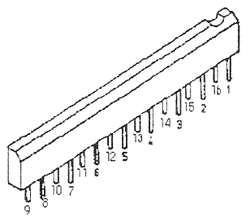


2SD1762F

RECORD / PLAYBACK SCHEMATIC DIAGRAM - SCHEMA ENREGISTREMENT / LECTURE - AUFNAHME / WIEDERGABE SCHALTBILD - SCHEMA REGISTRAZIONE / RIPRODUZIONE - ESQUEMA GRABACION / REPRODUCCIÓN



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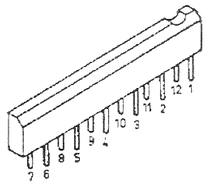
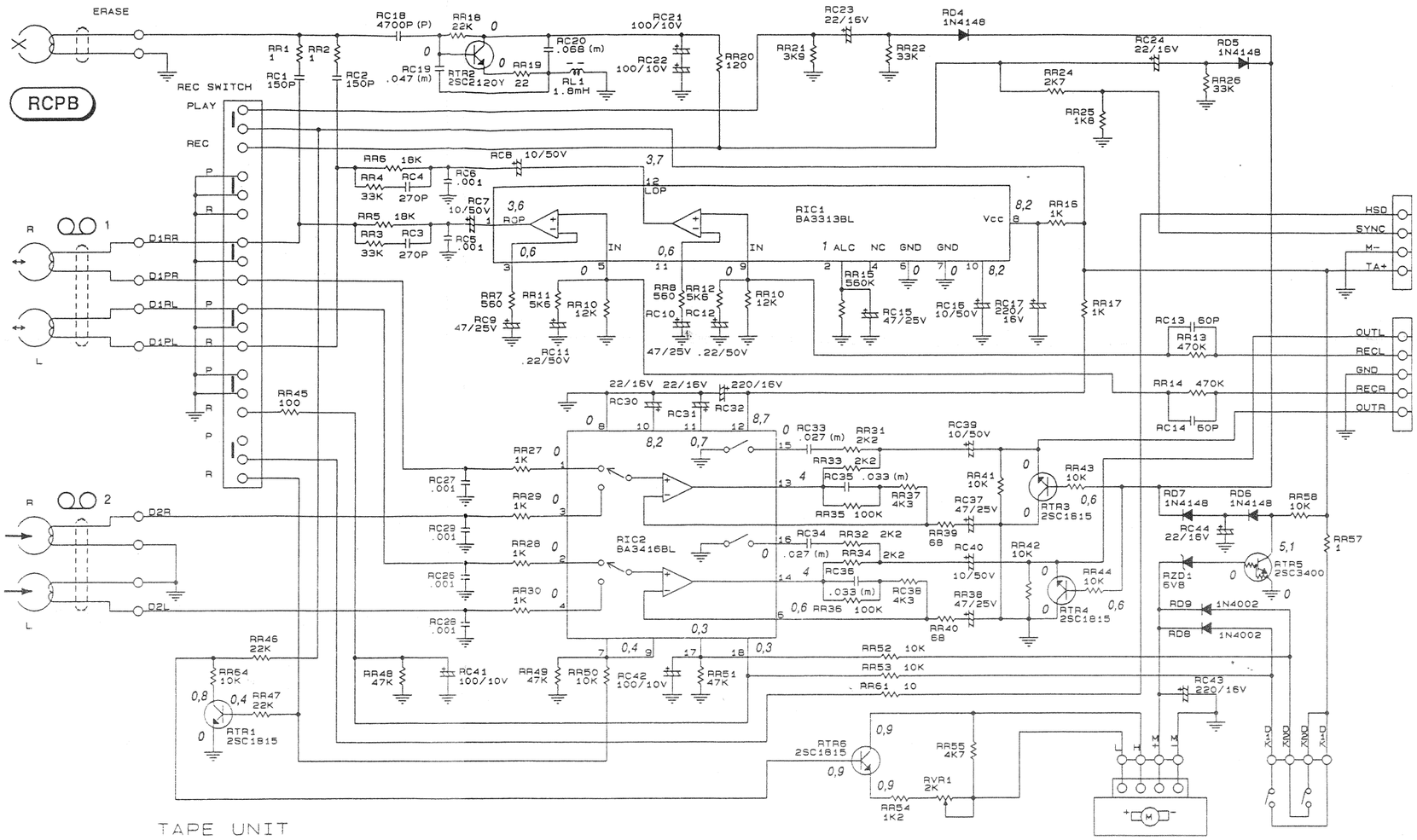
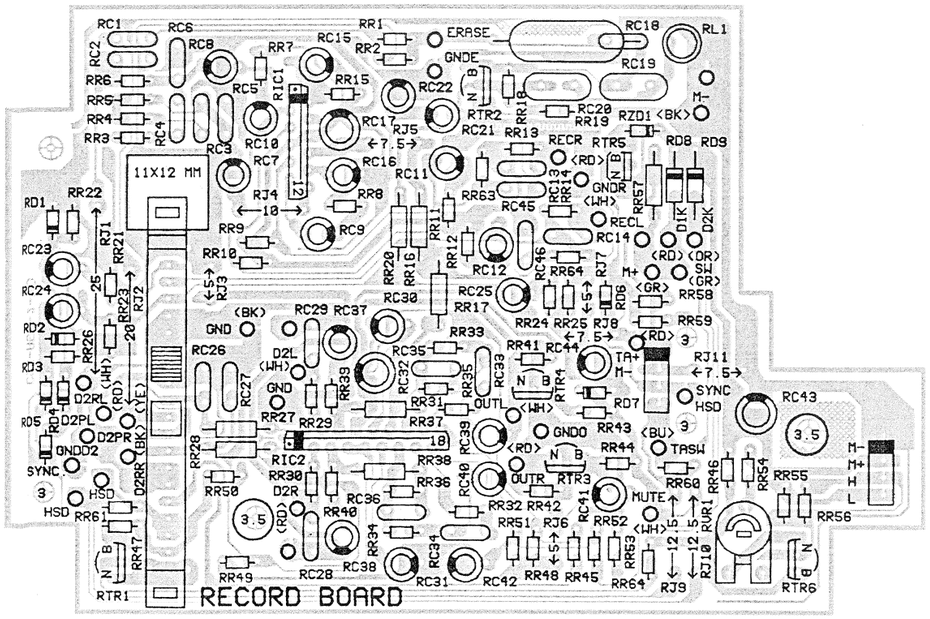


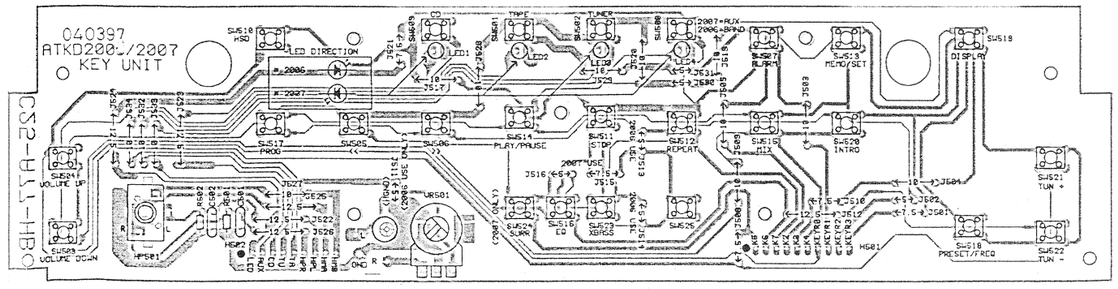
BA3313BL



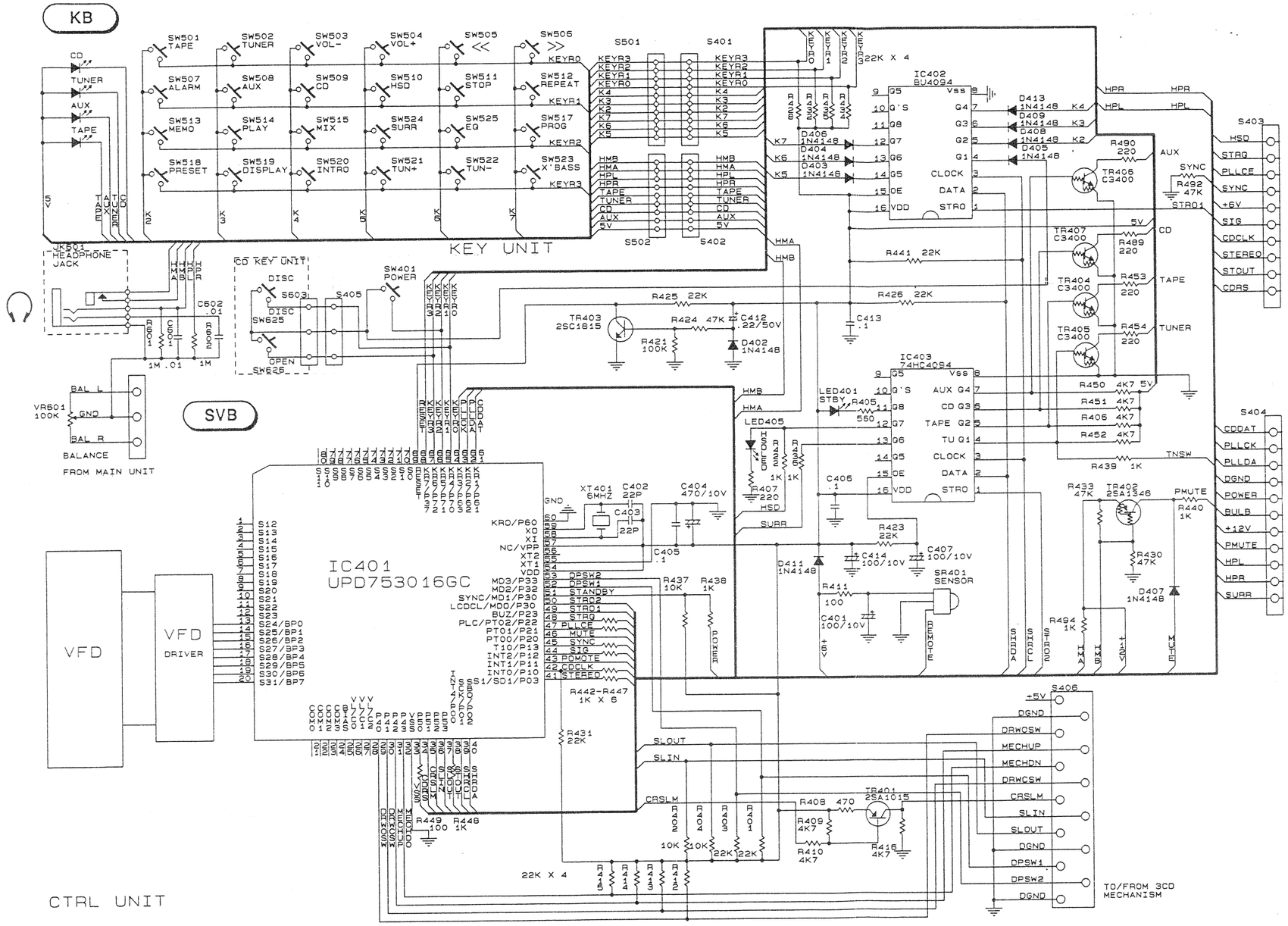
Tape P.C.B.
Platine cassettes
Recorderplatte
Piastra di cassette
Platina grabadores

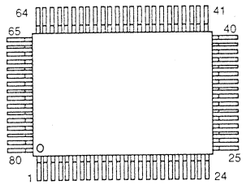


Function controls P.C.B.
Platine commandes fonctions
Ltpl. Funktionsbedienteil
Piastra comandi funzioni
Platina de mandos funciones



CONTROL / DISPLAY SCHEMATIC DIAGRAM - SCHEMA COMMANDES / AFFICHEUR - BEDIENTEIL / ANZEIGE SCHALTBILD - SCHEMA COMANDI / INDICATORE - ESQUEMA MANDOS / INDICADOR (ALTIMA 200)





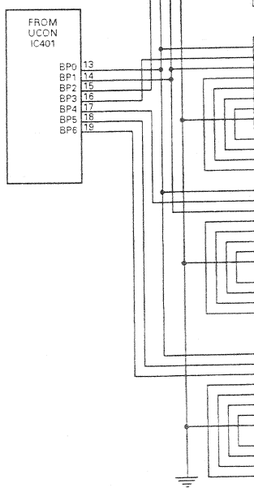
UPD753016GC

BU4094
74HC4094

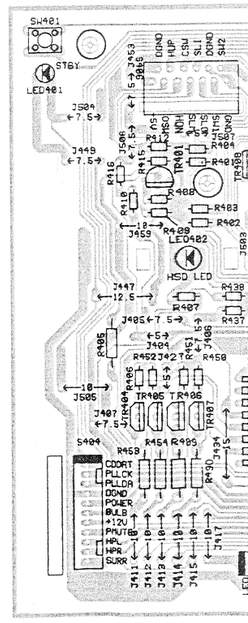
2SA1015Y
2SA1346AC
2SC732TM
2SC1417
2SC1815GR
2SC2120Y
2SC3400
2SD612KE

2SD1762F

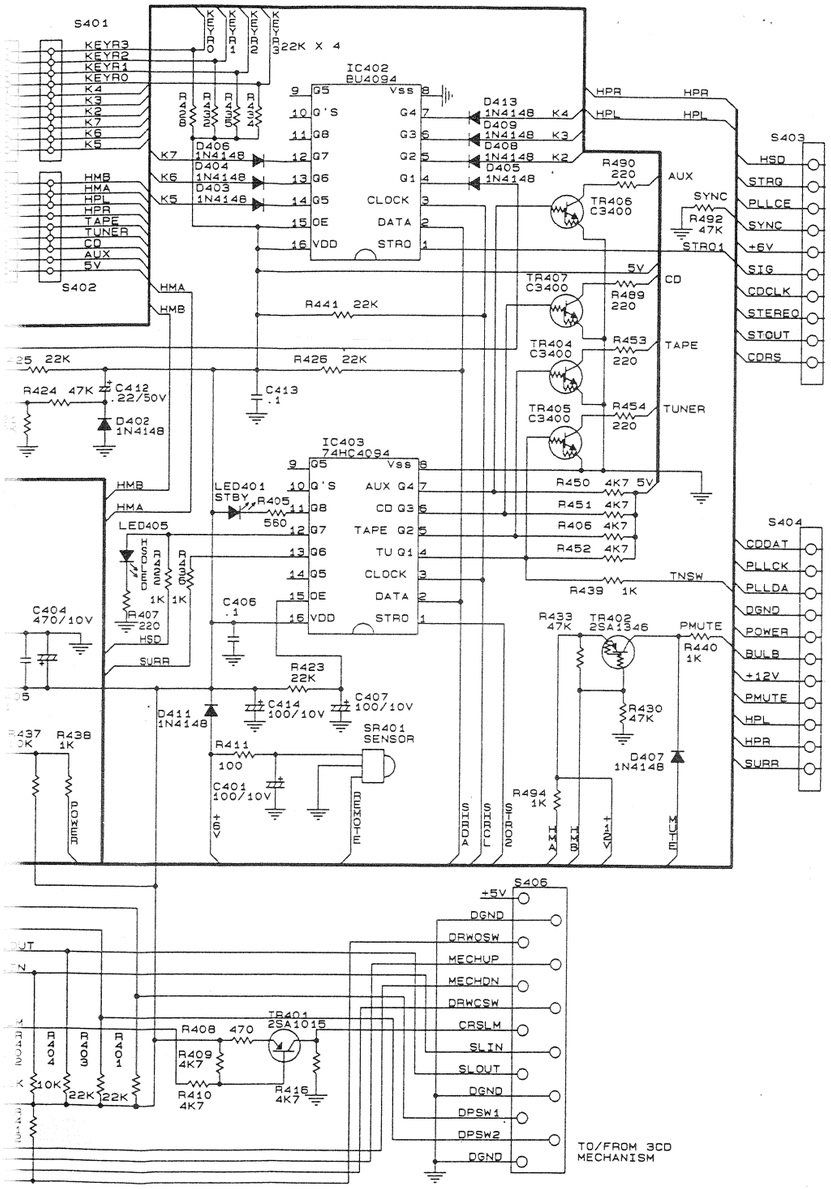
DISPLAY SCHEMATIC
SCHEMA INDICATORE



Controls P.C.B.
Platine commandes
Ltpl. Bedienteil
Piastra comandi
Platina de mandos



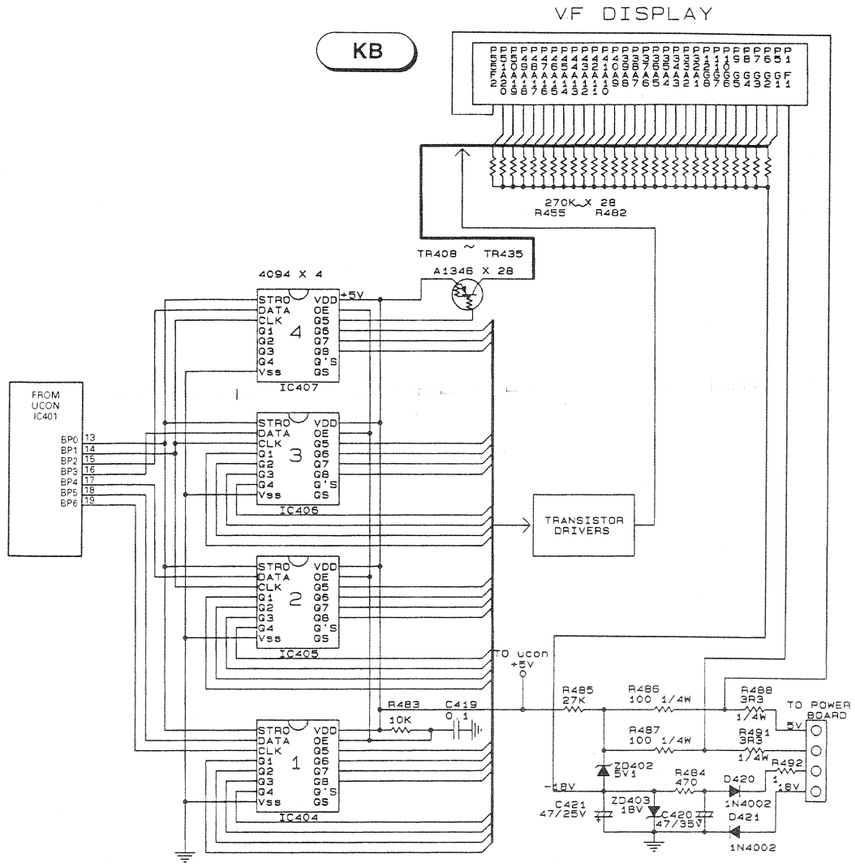
/ AFFICHEUR - BEDIENTEIL / ANZEIGE SCHALTBILD - SCHEMA
200)



2SA1015Y
2SA1346AC
2SC732TM
2SC1417
2SC1815GR
2SC2120Y
2SC3400
2SD612KE

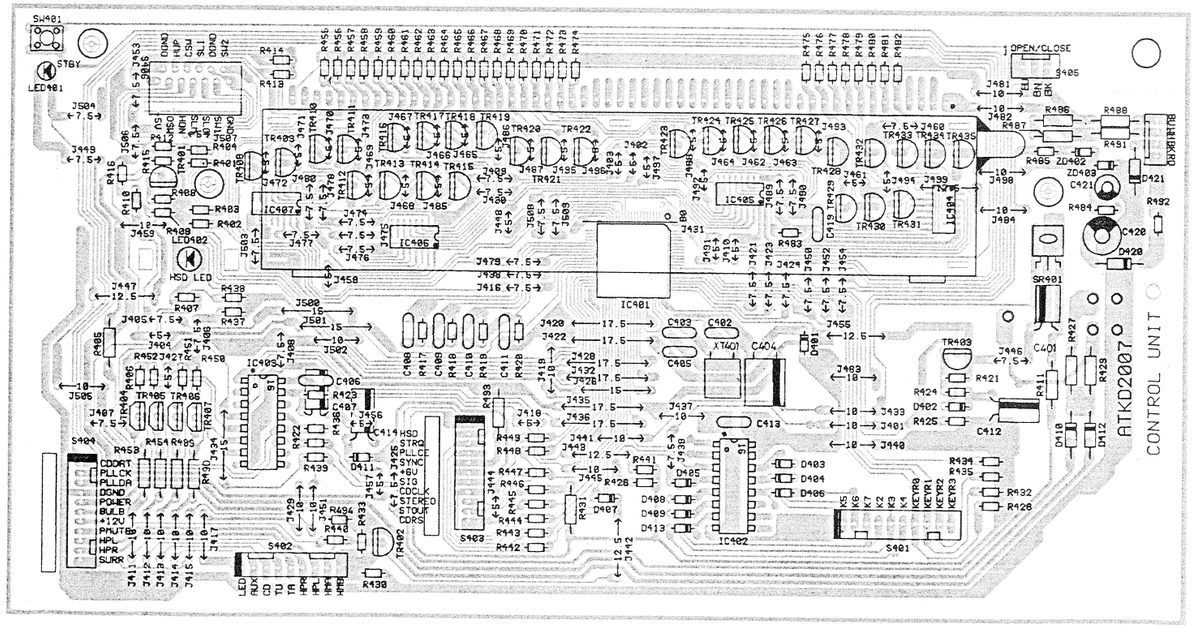
2SD1762F

DISPLAY SCHEMATIC DIAGRAM - SCHEMA AFFICHEUR - ANZEIGE SCHALTBILD - SCHEMA INDICATORE - ESQUEMA INDICADOR

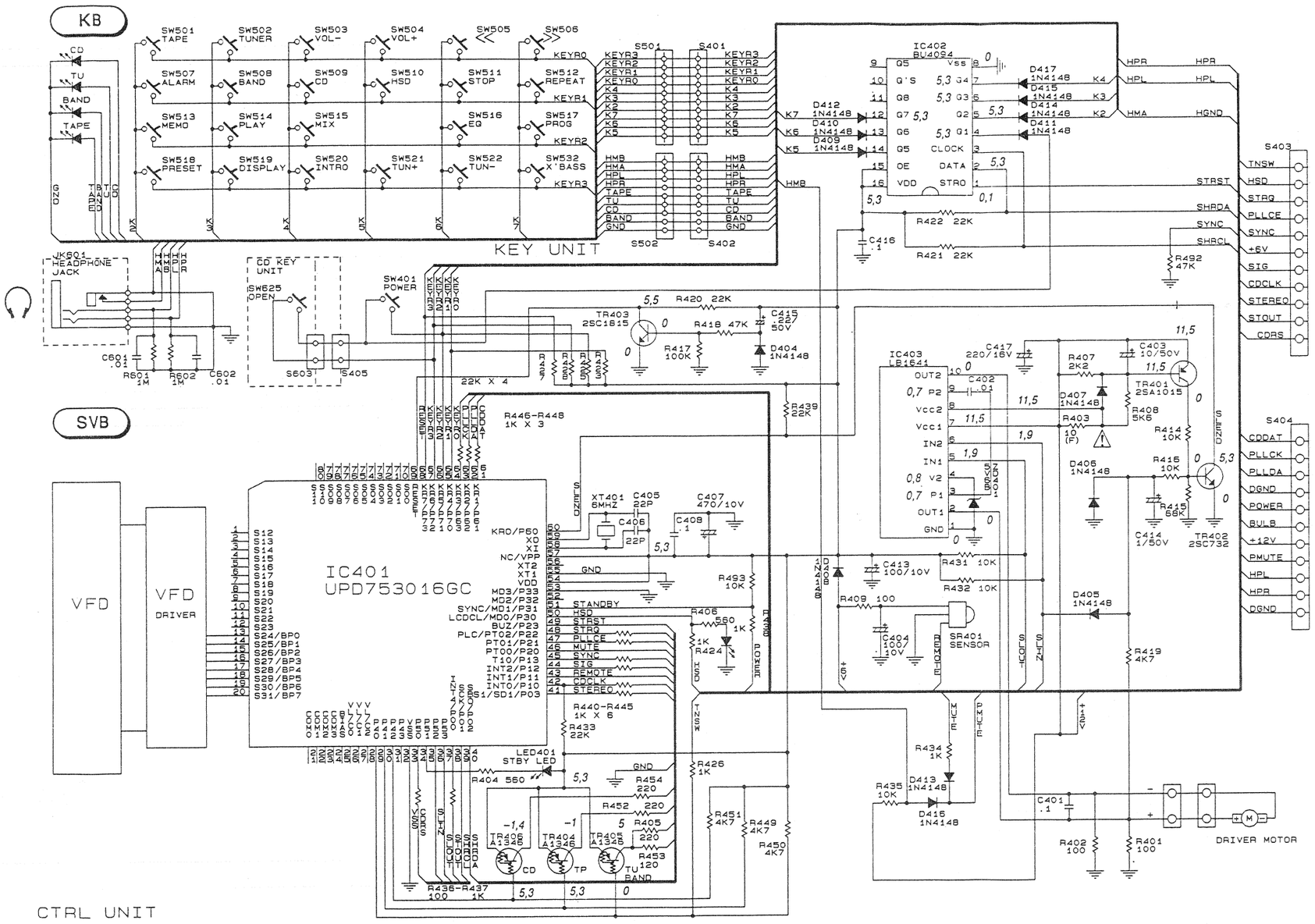


ALTIMA 200

Controls P.C.B.
Platine commandes
Ltpl. Bedienteil
Piastra comandi
Platina de mandos



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - GRUNDPLATTE SCHALTBILD - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL



PLL ADJUSTMENTS - REGLAGES DU PLL - PLL EINSTELLUNGEN - REGOLAZIONE DI PLL - AJUSTES DEL PLL

		MW			FM
T 110	TP3	V = 1,3 ±0,2 V	L 101	TP2	V = 1 ±0,3 V

		LW	
T 103	TP3	V = 1,3 ±0,2 V	

11 — V — 10 MΩ

9,2 — V

ATTE SCHALTBILD - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL

RFFI

PLL

11 V 10 MΩ

9,2 V

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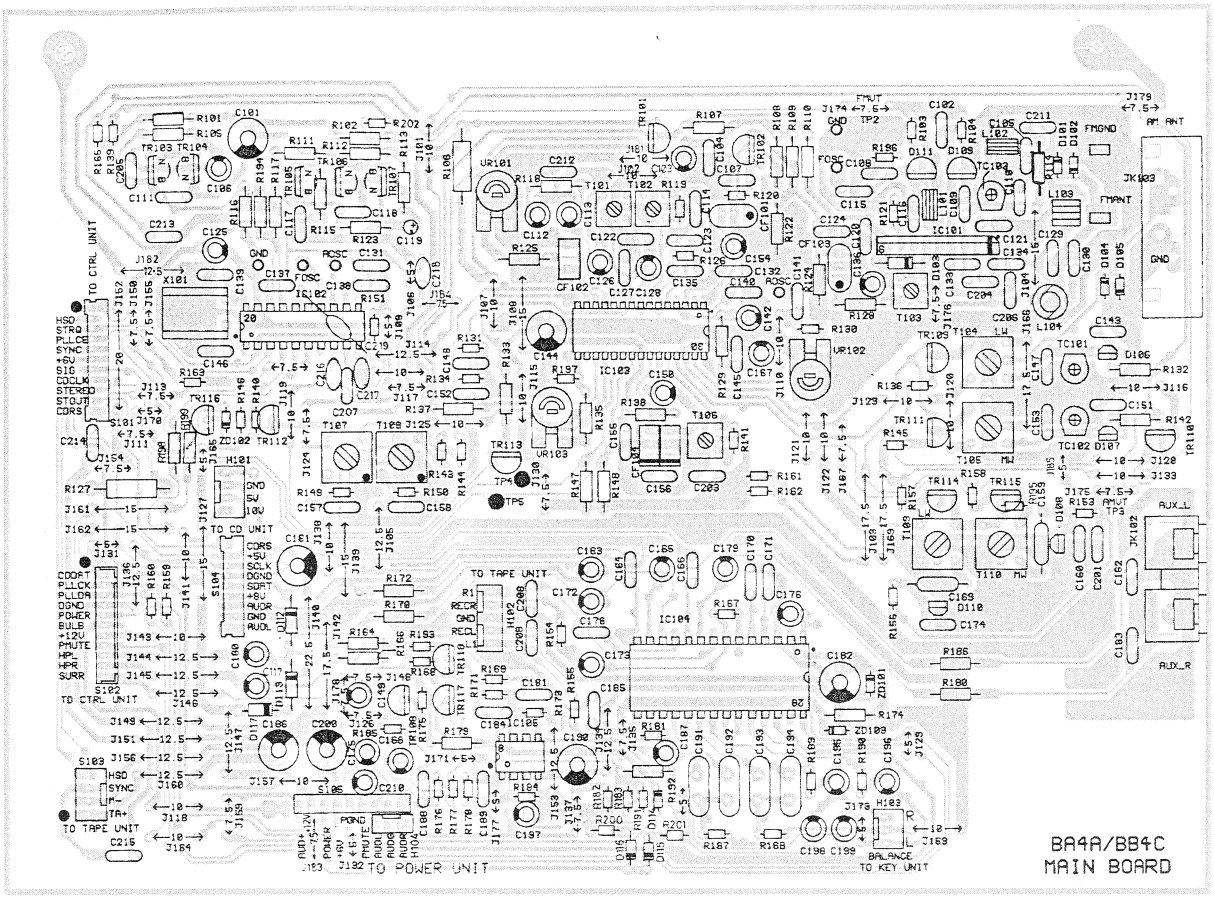
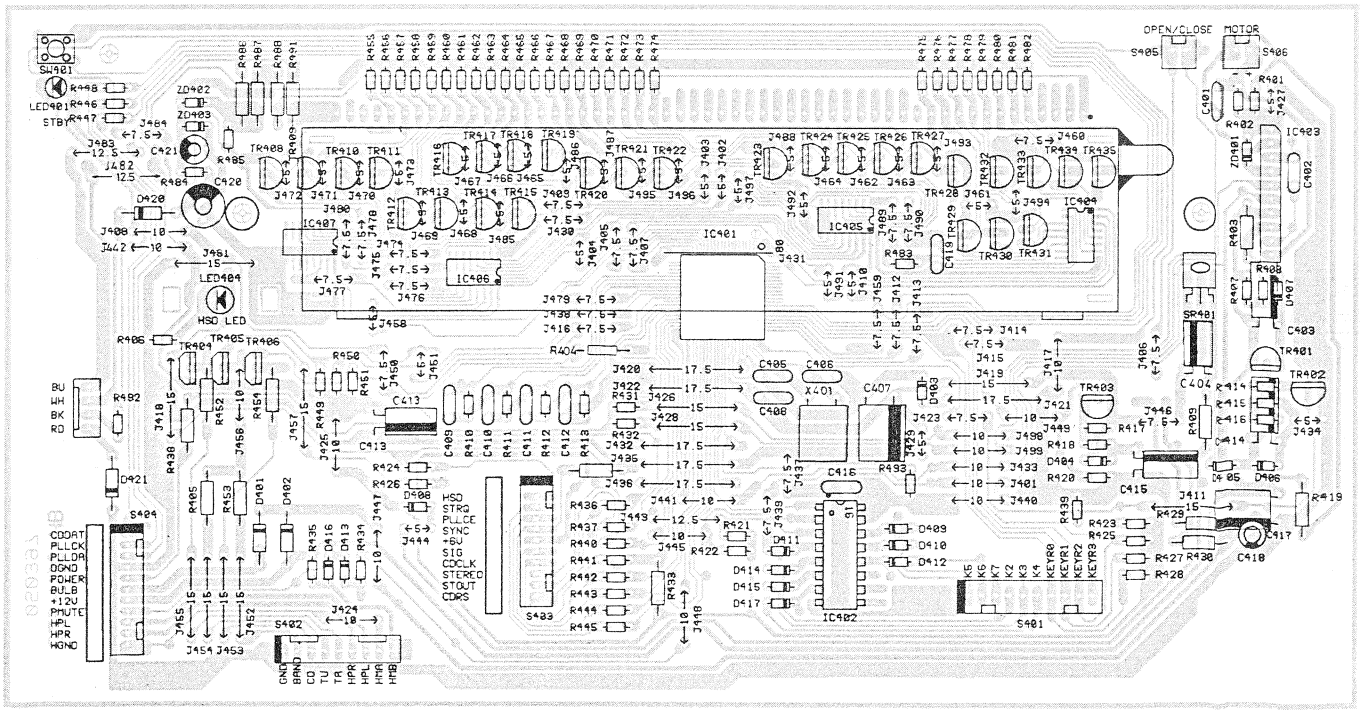


Main P.C.B.
Platine principale
Grundplatte
Piastra principale
Platina principal

Controls P.C.B.
Platine commandes
Ltpl. Bedienteil
Piastra comandi
Platina de mandos

ALTIMA 100



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